

Appl. No. : 09/0,169  
Filed : January 26, 2001

--Figure 4 shows nucleotide sequences (SEQ ID NOs: 19, 21, 22, 24, 25, 27, 28, 30, 31, 33, 34, 36, 37, 39, 40, 42, 43, 45, 46 and 48) surrounding the recombination breakpoints from the PCR clones hybridizing to either the S $\mu$  or S $\gamma$ 2 probes. The homologous sequences in the breakpoints are in bold. The numbers in the end of each sequence represent the position of last nucleotide that serves as the reference for the position of the recombination breakpoints.

- A. The sequences surrounding the breakpoints in clones representing S $\mu$ -S $\gamma$ 2 recombination sites in genomic DNA derived from the switch construct. A total of 13 clones were sequenced and four of them are shown (SEQ ID NOs: 20, 23, 26 and 29).
- B. The sequence surrounding the breakpoints in clones representing the excised circular DNA resulting from S $\gamma$ 2-S $\mu$  recombination. A total of 6 clones were sequenced and four of them are shown (SEQ ID NOs: 32, 35, 38 and 41).
- C. The sequence surrounding the breakpoints from the clones representing the S $\mu$ -CD2 recombination in genomic DNA. A total of 3 clones were sequenced and two of them are shown (SEQ ID NOs: 44 and 47).--

Please replace the paragraph beginning at page 14, line 11, with the following rewritten paragraph:

--Figure 14 shows the nucleotide sequences (SEQ ID NOs: 49, 51, 52, 54, 55, 57, 58, 60, 61, 63, 64, 66, 67, 69, 70, 72, 73, 75, 76, 78, 79, 81, 82, 84, 85, 87, 88, 90, 91, 93, 94, 96, 97, 99, 100, 102, 103, 105, 106 and 108) surrounding the retained recombination breakpoints. The recombinational breakpoints are indicated by arrows with the referenced nucleotide position according to the published sequences (Lyon and Aguilera, Mol. Immunol. 34:209-219 (1997)). The sequences homologous between S $\mu$  and S $\epsilon$  are bold. (A) Nucleotide sequences surrounding the recombination breakpoints derived from recombination assay-derived clones of SEQ ID NOs: 50, 53, 56, 59, 62, 65, 68, 71, 74 and 77. (B) Nucleotide sequences surrounding the recombination breakpoints derived from direct PCR-generated clones of SEQ ID NOs: 80, 83, 86, 89, 92, 95, 98, 101, 104 and 107 without bacterial transformation. (C) Summary of location of all the recombination breakpoints defined from recombination assay and PCR amplification assigned to S $\mu$  and S $\epsilon$  regions is p77D3.11. The arrows in the top row represent the recombination breakpoints defined from PCR amplification, whereas those in the lower row